

# SMD POWER INDUCTORS

MODEL NO. : SMI-43 SERIES (CD43 COMPATIBLE)

**FEATURES:**

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.



**APPLICATION :**

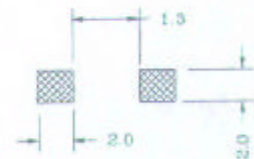
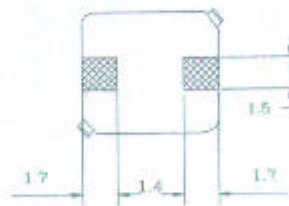
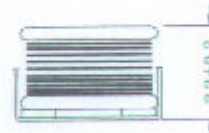
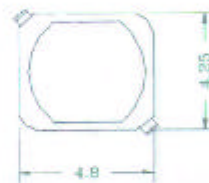
- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.
- \* ELECTRONICS DICTIONARIES
- \* DIGITAL STILL CAMERAS.

**ELECTRICAL SPECIFICATION:**

(UNIT:mm)

| PART NO.   | INDUCTANCE (uH) | D.C.R. MAX (Ω) | RATED CURRENT (A) |
|------------|-----------------|----------------|-------------------|
| SMI-43-1R0 | 1.0             | 0.0487         | 2.56              |
| SMI-43-1R4 | 1.4             | 0.0562         | 2.52              |
| SMI-43-1R8 | 1.8             | 0.0637         | 1.95              |
| SMI-43-2R2 | 2.2             | 0.0712         | 1.75              |
| SMI-43-2R7 | 2.7             | 0.0787         | 1.58              |
| SMI-43-3R3 | 3.3             | 0.0862         | 1.44              |
| SMI-43-3R9 | 3.9             | 0.0937         | 1.33              |
| SMI-43-4R7 | 4.7             | 0.1087         | 1.15              |
| SMI-43-5R6 | 5.6             | 0.1257         | 0.99              |
| SMI-43-6R8 | 6.8             | 0.1312         | 0.95              |
| SMI-43-8R2 | 8.2             | 0.1462         | 0.84              |
| SMI-43-100 | 10              | 0.182          | 1.04              |
| SMI-43-120 | 12              | 0.210          | 0.97              |
| SMI-43-150 | 15              | 0.235          | 0.85              |
| SMI-43-180 | 18              | 0.338          | 0.74              |
| SMI-43-220 | 22              | 0.378          | 0.68              |
| SMI-43-270 | 27              | 0.522          | 0.62              |
| SMI-43-330 | 33              | 0.540          | 0.56              |
| SMI-43-390 | 39              | 0.587          | 0.52              |
| SMI-43-470 | 47              | 0.844          | 0.44              |
| SMI-43-560 | 56              | 0.937          | 0.42              |
| SMI-43-680 | 68              | 1.117          | 0.37              |

**PHYSICAL DIMENSION :**



TOLERANCE : ±0.3

PCB PATTERN

NOTE (1): TEST FREQUENCY: 100KHz, 1VRMS.

NOTE (2): 1.0 ~ 27uH ± 20% , 33~68uH ± 10%.

NOTE (3): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AND/OR ΔT=40°C UNDER THIS DC CURRENT BIAS.